

CLASSIFICATION CONFIDENTIAL **CONFIDENTIAL**CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS CD NO.

REPORT

50X1-HUM

COUNTRY Sovzone Germany

SUBJECT Scientific - Physics, X-rays, Laue patterns

HOW PUBLISHED Book

WHERE PUBLISHED Leipzig

DATE PUBLISHED 1948

LANGUAGE German

DATE OF
INFORMATION 1948

DATE DIST. 18 Dec 1950

NO. OF PAGES 2

SUPPLEMENT TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
OF THE UNITED STATES WITHIN THE MEANING OF ESPIONAGE ACT 50
U. S. C., 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION
OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PRO-
HIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Roentgenstrahlinterferenzen, by Max von Laue, 419 pp,

50X1-HUM

X-RAY INTERFERENCE

Max von Laue

[NOTE: Subject book, "Roentgenstrahlinterferenzen," is the 1944 edition of the earlier 1940 publication the 1940 stock and plates being destroyed by fire in 1943. It was printed 1948 at Leipzig by the Akademische Verlagsgesellschaft Geest & Portig. Its table of contents is given below.

Subject book is Volume Six of the series entitled "Physics and Chemistry, and Their Applications to Individual Problems." Also given below is information on six other volumes of the series, as found in an advertisement leaf of Volume Six.]

Volume Six

	Page
Chapter 1. X-rays as Electromagnetic Waves; Quantum Processes	1
Chapter 2. Scattering by Single Atoms and Molecules	13
Chapter 3. X-ray Interferences by Crystals; Geometric Theory	78
Chapter 4. Lattice Interference and Its Influence	185
Chapter 5. Dynamic Theory of Spatial Lattice Interference	271
Index: Photographs, Names, Subject Matter	401

Volume One: Magnetochemistry, by W. Klemm, 1936, pp 277

Volume Two: The Atomic Nucleus, by C. F. von Weiszacker, 1937, pp 222.

Volume Three: Chemical Physics of Metals and Alloys, by U. Dehlinger, 1938, pp 179.

- 1 -

CONFIDENTIAL

CLASSIFICATION CONFIDENTIAL

STATE	<input checked="" type="checkbox"/> NAVY	<input checked="" type="checkbox"/> NSRB	DISTRIBUTION								
ARMY	<input checked="" type="checkbox"/> AIR	<input checked="" type="checkbox"/> FBI	<i>acc</i> <input checked="" type="checkbox"/>								

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

Volume Four: Nuclear Moments (Kernmomente), by H. Kopfermann, 1940, pp 286. Contents: Exchange Effect Between Electron Shell and Nucleus; Optical Investigations of Hyperfine Structure; Determining the Deflection of Atom Rays and Nuclear Moments; Diatomic Molecules With Similar Nuclei and Nuclear Properties; Nuclear Moments and Structure.

Volume Five: Electrolyte Solutions, by G. Kortuem, 1941, pp 500. Contents: Development of the Electrolyte Theory; Thermodynamics of Dilute Solutions, etc.

Volume Six: As above.

Volume Seven: Matter Waves and Their Interference, by M. Von Laue, 1944, pp 400. Contents: History of the Discovery of Electron and Matter Waves; Geometric Theory of Electron Interference in Atoms and Molecules; Electron Interference in Crystals, Geometric Theory; Diffraction of Other Matter Waves; Dynamic Theory of Electron Interference.

- E N D -

- 2 -

CONFIDENTIAL

CONFIDENTIAL